

CLAIMS

1. An electrically driven power steering apparatus comprising:

5 a housing;

a motor attached to the housing;

a moving shaft to which an assistive steering force is inputted from the motor, and which is reciprocally movable within a range restricted by the housing in order to steer
10 wheels;

an input shaft connected to a steering wheel;

power transmission means which connects the input shaft with the moving shaft in a power transmissible manner;

an absorbing member which is attached to either the
15 moving shaft or the housing, and is brought into contact with the housing in face-to-face relation at an end of the reciprocal movement of the moving shaft;

wherein the absorbing member at least partially has a material having a Young's modulus of 100 to 900 Mpa.

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2. An electrically driven power steering apparatus comprising:

a housing;

a motor attached to the housing;

25 a moving shaft to which an assistive steering force is inputted from the motor, and which is reciprocally movable within a range restricted by the housing in order to steer

wheels;

an input shaft connected to a steering wheel;

power transmission means which connects the input shaft
with the moving shaft in a power transmissible manner;

5 an absorbing member which is attached to the moving
shaft, and is brought into contact with the housing in
face-to-face relation at an end of the reciprocal movement
of the moving shaft;

wherein the absorbing member includes a metal member
10 and an elastic member formed by rubber or resin material,
the metal member has a hole extending in the axial direction,
and the elastic member attached to both ends of the metal
member in the axial direction are connected through the hole.

15 3. An electrically driven power steering apparatus
comprising:

a housing;

a motor attached to the housing;

a moving shaft to which an assistive steering force
20 is inputted from the motor, and which is reciprocally movable
within a range restricted by the housing in order to steer
wheels;

an input shaft connected to a steering wheel;

power transmission means which connects the input shaft
25 with the moving shaft in a power transmissible manner;

an absorbing member which is attached to the moving
shaft, and is brought into contact with the housing in

face-to-face relation at an end of the reciprocal movement of the moving shaft;

wherein the absorbing member includes a metal member and an elastic member formed by rubber or resin material, and the elastic member is disposed at least at one of both
5 end faces of the metal member in the axial direction, and between the metal member and the moving member.